



## RAW SEQUENCE LISTING

DATE: 02/13/2002

PATENT APPLICATION: US/10/031,904

TIME: 07:30:49

Input Set : A:\ippf0726usn.app.txt

Output Set: N:\CRF3\02132002\J031904.raw

ENTERED

file://C:\Crf3\Outhold\VsrJ031904.htm

RAW SEQUENCE LISTING  
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56 110 115 120  
57 Arg Ser Leu Val Leu Met Pro Glu Ser Ser Ala Glu Glu Ile Thr  
58 125 130 135  
59 Val Cys Pro Glu Thr Gln Leu Ser Ser Ser Glu Thr Phe Asp Leu  
60 140 145 150  
61 Glu Arg Glu Val Ser Pro Gly Ser Arg Asp Ile Leu Asp Gly Val  
62 155 160 165  
63 Arg Ile Ile Met Ala Asp Lys Glu Val Gly Asn Lys Glu Asp Ala  
64 170 175 180  
65 Glu Lys Glu Val Ala Ile Ser Thr Phe Ser Ser Ser Asn Gln Val  
66 185 190 195  
67 Ser Cys Pro Leu Cys Asp Gln Cys Phe Pro Pro Thr Lys Ile Glu  
68 200 205 210  
69 Arg His Ala Met Tyr Cys Asn Gly Leu Met Glu Glu Asp Thr Val  
70 215 220 225  
71 Leu Thr Arg Arg Gln Lys Glu Ala Lys Thr Lys Ser Asp Ser Gly  
72 230 235 240  
73 Thr Ala Ala Gln Thr Ser Leu Asp Ile Asp Lys Asn Glu Lys Cys  
74 245 250 255  
75 Tyr Leu Cys Lys Ser Leu Val Pro Phe Arg Glu Tyr Gln Cys His  
76 260 265 270  
77 Val Asp Ser Cys Leu Gln Leu Ala Lys Ala Asp Gln Gly Asp Gly  
78 275 280 285  
79 Pro Glu Gly Ser Gly Arg Ala Cys Ser Thr Val Glu Gly Lys Trp  
80 290 295 300  
81 Gln Gln Arg Leu Lys Asn Pro Lys Glu Lys Gly His Ser Glu Gly  
82 305 310 315  
83 Arg Leu Leu Ser Phe Leu Glu Gln Ser Glu His Lys Thr Ser Asp  
84 320 325 330  
85 Ala Asp Ile Lys Ser Ser Glu Thr Gly Ala Phe Arg Val Pro Ser  
86 335 340 345  
87 Pro Gly Met Glu Glu Ala Gly Cys Ser Arg Glu Met Gln Ser Ser  
88 350 355 360  
89 Phe Thr Arg Arg Asp Leu Asn Glu Ser Pro Val Lys Ser Phe Val  
90 365 370 375  
91 Ser Ile Ser Glu Ala Thr Asp Cys Leu Val Asp Phe Lys Lys Gln  
92 380 385 390  
93 Val Thr Val Gln Pro Gly Ser Arg Thr Arg Thr Lys Ala Gly Arg  
94 395 400 405  
95 Gly Arg Arg Arg Lys Phe  
96 410  
97 <210> SEQ ID NO: 2  
98 <211> LENGTH: 579  
99 <212> TYPE: PRT  
100 <213> ORGANISM: Homo sapiens  
102 <220> FEATURE:  
103 <221> NAME/KEY: misc\_feature  
104 <223> OTHER INFORMATION: Incyte ID No: 945430CD1  
106 <400> SEQUENCE: 2

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J031904-011802

107	Met	Phe	Phe	Arg	Val	Phe	Leu	His	Phe	Ile	Arg	Ser	His	Ser	Ala
108	1				5					10					15
109	Thr	Ala	Val	Asp	Phe	Leu	Pro	Val	Met	Val	His	Arg	Leu	Pro	Val
110				20						25					30
111	Phe	Lys	Arg	Tyr	Met	Gly	Asn	Thr	Pro	Gln	Lys	Lys	Ala	Val	Phe
112				35						40					45
113	Gly	Gln	Cys	Arg	Gly	Leu	Pro	Cys	Val	Ala	Pro	Leu	Leu	Thr	Thr
114				50						55					60
115	Val	Glu	Glu	Ala	Pro	Arg	Gly	Ile	Ser	Ala	Arg	Val	Trp	Gly	His
116				65						70					75
117	Phe	Pro	Lys	Trp	Leu	Asn	Gly	Ser	Leu	Leu	Arg	Ile	Gly	Pro	Gly
118				80						85					90
119	Lys	Phe	Glu	Phe	Gly	Lys	Asp	Lys	Tyr	Asn	His	Trp	Phe	Asp	Gly
120				95						100					105
121	Met	Ala	Leu	Leu	His	Gln	Phe	Arg	Met	Ala	Lys	Gly	Thr	Val	Thr
122				110						115					120
123	Tyr	Arg	Ser	Lys	Phe	Leu	Gln	Ser	Asp	Thr	Tyr	Lys	Ala	Asn	Ser
124				125						130					135
125	Ala	Lys	Asn	Arg	Ile	Val	Ile	Ser	Glu	Phe	Gly	Thr	Leu	Ala	Leu
126				140						145					150
127	Pro	Asp	Pro	Cys	Lys	Asn	Val	Phe	Glu	Arg	Phe	Met	Ser	Arg	Phe
128				155						160					165
129	Glu	Leu	Pro	Gly	Lys	Ala	Ala	Ala	Met	Thr	Asp	Asn	Thr	Asn	Val
130				170						175					180
131	Asn	Tyr	Val	Arg	Tyr	Lys	Gly	Asp	Tyr	Tyr	Leu	Cys	Thr	Glu	Thr
132				185						190					195
133	Asn	Phe	Met	Asn	Lys	Val	Asp	Ile	Glu	Thr	Leu	Glu	Lys	Thr	Glu
134				200						205					210
135	Lys	Val	Asp	Trp	Ser	Lys	Phe	Ile	Ala	Val	Asn	Gly	Ala	Thr	Ala
136				215						220					225
137	His	Pro	His	Tyr	Asp	Pro	Asp	Gly	Thr	Ala	Tyr	Asn	Met	Gly	Asn
138				230						235					240
139	Ser	Phe	Gly	Pro	Tyr	Gly	Phe	Ser	Tyr	Lys	Val	Ile	Arg	Val	Pro
140				245						250					255
141	Pro	Glu	Lys	Val	Asp	Leu	Gly	Glu	Thr	Ile	His	Gly	Val	Gln	Val
142				260						265					270
143	Ile	Cys	Ser	Ile	Ala	Ser	Thr	Glu	Lys	Gly	Lys	Pro	Ser	Tyr	Tyr
144				275						280					285
145	His	Ser	Phe	Gly	Met	Thr	Arg	Asn	Tyr	Ile	Ile	Phe	Ile	Glu	Gln
146				290						295					300
147	Pro	Leu	Lys	Met	Asn	Leu	Trp	Lys	Ile	Ala	Thr	Ser	Lys	Ile	Arg
148				305						310					315
149	Gly	Lys	Ala	Phe	Ser	Asp	Gly	Ile	Ser	Trp	Glu	Pro	Gln	Cys	Asn
150				320						325					330
151	Thr	Arg	Phe	His	Val	Val	Glu	Lys	Arg	Thr	Gly	Gln	Leu	Leu	Pro
152				335						340					345
153	Gly	Arg	Tyr	Tyr	Ser	Lys	Pro	Phe	Val	Thr	Phe	His	Gln	Ile	Asn
154				350						355					360
155	Ala	Phe	Glu	Asp	Gln	Gly	Cys	Val	Ile	Ile	Asp	Leu	Cys	Ser	Gln

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156          365          370          375
157 Asp Asn Gly Arg Thr Leu Glu Val Tyr Gln Leu Gln Asn Leu Arg
158          380          385          390
159 Lys Ala Gly Glu Gly Leu Asp Gln Val His Asn Ser Ala Ala Lys
160          395          400          405
161 Ser Phe Pro Arg Arg Phe Val Leu Pro Leu Asn Val Ser Leu Asn
162          410          415          420
163 Ala Pro Glu Gly Asp Asn Leu Ser Pro Leu Ser Tyr Thr Ser Ala
164          425          430          435
165 Ser Ala Val Lys Gln Ala Asp Gly Thr Ile Trp Cys Ser His Glu
166          440          445          450
167 Asn Leu His Gln Glu Asp Leu Glu Lys Glu Gly Gly Ile Glu Phe
168          455          460          465
169 Pro Gln Ile Tyr Tyr Asp Arg Phe Ser Gly Lys Lys Tyr His Phe
170          470          475          480
171 Phe Tyr Gly Cys Gly Phe Arg His Leu Val Gly Asp Ser Leu Ile
172          485          490          495
173 Lys Val Asp Val Val Asn Lys Thr Leu Lys Val Trp Arg Glu Asp
174          500          505          510
175 Gly Phe Tyr Pro Ser Glu Pro Val Phe Val Pro Ala Pro Gly Thr
176          515          520          525
177 Asn Glu Glu Asp Gly Gly Val Ile Leu Ser Val Val Ile Thr Pro
178          530          535          540
179 Asn Gln Asn Glu Ser Asn Phe Leu Leu Val Leu Asp Ala Lys Asn
180          545          550          555
181 Phe Glu Glu Leu Gly Arg Ala Glu Val Pro Val Gln Met Pro Tyr
182          560          565          570
183 Gly Phe His Gly Thr Phe Ile Pro Ile
184          575
185 <210> SEQ ID NO: 3
186 <211> LENGTH: 370
187 <212> TYPE: PRT
188 <213> ORGANISM: Homo sapiens
190 <220> FEATURE:
191 <221> NAME/KEY: misc_feature
192 <223> OTHER INFORMATION: Incyte ID No: 1305513CD1
194 <400> SEQUENCE: 3
195 Met Ala Asn Tyr Ser His Ala Ala Asp Asn Ile Leu Gln Asn Leu
196 1          5          10          15
197 Ser Pro Leu Thr Ala Phe Leu Lys Leu Thr Ser Leu Gly Phe Ile
198          20          25          30
199 Ile Gly Val Ser Val Val Gly Asn Leu Leu Ile Ser Ile Leu Leu
200          35          40          45
201 Val Lys Asp Lys Thr Leu His Arg Ala Pro Tyr Tyr Phe Leu Leu
202          50          55          60
203 Asp Leu Cys Cys Ser Asp Ile Leu Arg Ser Ala Ile Cys Phe Pro
204          65          70          75
205 Phe Val Phe Asn Ser Val Lys Asn Gly Ser Thr Trp Thr Tyr Gly
206          80          85          90

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20031904.011300

RAW SEQUENCE LISTING  
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207 Thr Leu Thr Cys Lys Val Ile Ala Phe Leu Gly Val Leu Ser Cys  
208 95 100 105  
209 Phe His Thr Ala Phe Met Leu Phe Cys Ile Ser Val Thr Arg Tyr  
210 110 115 120  
211 Leu Ala Ile Ala His His Arg Phe Tyr Thr Lys Arg Leu Thr Phe  
212 125 130 135  
213 Trp Thr Cys Leu Ala Val Ile Cys Met Val Trp Thr Leu Ser Val  
214 140 145 150  
215 Ala Met Ala Phe Pro Pro Val Leu Asp Val Gly Thr Tyr Ser Phe  
216 155 160 165  
217 Ile Arg Glu Lys Asp Gln Cys Thr Phe Gln His Arg Ser Phe Arg  
218 170 175 180  
219 Ala Asn Asp Ser Leu Gly Phe Met Leu Leu Leu Ala Leu Ile Leu  
220 185 190 195  
221 Leu Ala Thr Gln Leu Val Tyr Leu Lys Leu Ile Phe Phe Val His  
222 200 205 210  
223 Asp Arg Arg Lys Met Lys Pro Val Gln Phe Val Ala Ala Val Ser  
224 215 220 225  
225 Gln Asn Trp Thr Phe His Gly Pro Gly Ala Ser Gly Gln Ala Ala  
226 230 235 240  
227 Ala Asn Trp Leu Ala Gly Phe Gly Arg Gly Pro Thr Pro Pro Thr  
228 245 250 255  
229 Leu Leu Gly Ile Arg Gln Asn Ala Asn Thr Thr Gly Arg Arg Arg  
230 260 265 270  
231 Leu Leu Val Leu Asp Glu Phe Lys Met Glu Lys Arg Ile Ser Arg  
232 275 280 285  
233 Met Phe Tyr Ile Met Thr Phe Leu Phe Leu Thr Leu Trp Gly Pro  
234 290 295 300  
235 Tyr Leu Val Ala Cys Tyr Trp Arg Val Phe Ala Arg Gly Pro Val  
236 305 310 315  
237 Val Pro Gly Gly Phe Leu Thr Ala Ala Val Trp Met Ser Phe Ala  
238 320 325 330  
239 Gln Ala Gly Ile Asn Pro Phe Val Cys Ile Phe Ser Asn Arg Glu  
240 335 340 345  
241 Leu Arg Arg Cys Phe Ser Thr Thr Leu Leu Tyr Cys Arg Lys Ser  
242 350 355 360  
243 Arg Leu Pro Arg Glu Pro Tyr Cys Val Ile  
244 365 370  
245 <210> SEQ ID NO: 4  
246 <211> LENGTH: 267  
247 <212> TYPE: PRT  
248 <213> ORGANISM: Homo sapiens  
250 <220> FEATURE:  
251 <221> NAME/KEY: misc\_feature  
252 <223> OTHER INFORMATION: Incyte ID No: 1876283CD1  
254 <400> SEQUENCE: 4  
255 Met Ala Pro Trp Ala Leu Leu Ser Pro Gly Val Leu Val Arg Thr  
256 1 5 10 15  
257 Gly His Thr Val Leu Thr Trp Gly Ile Thr Leu Val Leu Phe Leu

Use of n and/or Xaa has been detected in the Sequence Listing.  
Review the Sequence Listing to insure a corresponding  
explanation is presented in the <220> to <223> fields of  
each sequence using n or Xaa.

## VERIFICATION SUMMARY

PATENT APPLICATION: US/10/031,904

DATE: 02/13/2002

TIME: 07:30:50

Input Set: A:\ippf0726usn.app.txt

Output Set: N:\CRF3\02132002\J031904.raw

L:22 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:23 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:26 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:1652 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27  
L:1653 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27

2002 FEB 13 07:30:50